

CT

Notice of Allowability	Application No.	Applicant(s)	
	10/791,876	SUDA, YUSHI	
	Examiner	Art Unit	
	Adolfo Nino	2831	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 2/7/05.
2. ☒ The allowed claim(s) is/are 6-22.
3. ☒ The drawings filed on 07 February 2005 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|--|

Allowable Subject Matter

Claims 6-22 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 6-12, the cited prior art does not disclose, teach or suggest, alone or in combination, an electronic component comprising: an insulative chip cover having a housing section, wherein a flip chip is accommodated with a base having an anisotropic conductive adhesive agent applied thereon, the chip cover also having a bonding surface on same side of the housing section, and having an insulative adhesive agent applied to said bonding surface, and both adhesive agents having the same curing condition and being press-heated to be in a temporarily cured state.

With respect to claims 13-16, the cited prior art does not disclose, teach or suggest, alone or in combination, a method of mounting an electronic component, including applying an anisotropic conductive adhesive agent to electrodes of a flip chip, and applying an insulative adhesive agent to a bonding surface of a chip cover having a housing portion in which the flip chip is accommodated, and both agents having the same curing condition.

With respect to claims 17-22, the cited prior art does not disclose, teach or suggest, alone or in combination, an electronic component comprising: an insulative base having a mounting surface, the mounting surface having an electrode portion and a space portion, wherein an insulative adhesive agent is applied to the space portion and an anisotropic conductive adhesive agent is applied to the electrode portion, in which both agents have the same curing condition and are in a temporarily cured state.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

Applicant's arguments, see REMARKS section on Amendment, filed 2/7/05, with respect to cancelled independent claims 1, 2, and 5 have been fully considered and are persuasive. The rejections of corresponding cancelled independent claims 1, 2 and 5 do not withstand. New independent claims 6, 13, and 17 overcome the cited prior art since Kumakura et al. (US 6,592,783 B2) nor Kinsman et al. (US 6,634,098 B1) do not disclose, teach or suggest a chip cover having a bonding surface to which an insulative adhesive agent is applied. Moreover, Kinsman reference discloses an alignment device 20 and a cover 30 in which a semiconductor device 10 is to be located.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolfo Nino whose telephone number is (571) 272-1981. The examiner can normally be reached on M-F (7:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A. Reichard can be reached on (571) 272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2831

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AN

 2/22/05
DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800